

CLAIM AMENDMENTS

1 1. (currently amended) A method of making porous near-
2 net-shape metallic and/or ceramic parts with an open porosity of at
3 least 10% by volume, the method comprising according to the steps
4 of:

5 a) forming an injectable mass of a metallic and/or a
6 ceramic powder of stainless steel, Ti, NiTi, or a titanium alloy,
7 at least one thermoplastic binder, and at least one place holder;

8 b) injection molding the mass into the shape of the part
9 to be produced;

10 c) cooling the injection-molded mass and setting it in a
11 capillary-active material and subjecting it to a first-stage binder
12 removal to produce an open porosity;

13 d) removing the place holder at least partially from the
14 part with a fluid;

15 e) subjecting the part to a thermal binder-removing
16 process;

17 f) subsequently sintering the part.

1 2. (original) The method according to claim 1 wherein
2 the place holder is NaCl, KCl, K₂CO₃, or Na₂CO₃.

3. (canceled)

1 4. (previously presented) The method according to claim
2 1 wherein between steps c) and d) there is a thermal binder-
3 removing step.

1 5. (original) The method according to claim 4 wherein
2 the thermal binder-removing step is conducted at a temperature up
3 to 270°C under a protective-gas atmosphere.

1 6. (previously presented) The method according to claim
2 5 wherein the starting powder has a particle size of less than
3 20 μ m.

1 7. (currently amended) The method according to claim
2 [[6]] 4 wherein the thermal binder-removing step is conducted at a
3 temperature up to 500°C and under a protective-gas atmosphere.

1 8. (currently amended) The method according to claim 2
2 wherein [[a]] the fluid heated up to is at about 50°C is used.

1 9. (previously presented) The method according to claim
2 1 wherein the fluid for removing the place holder is water.

1 10. (original) The method according to claim 1 wherein
2 a stirred water bath is used in order to remove the place holder.

1 11. (previously presented) The method according to
2 claim 1 wherein the thermal binder-removing step uses argon as a
3 protective gas.

1 12. (currently amended) The method according to claim 1
2 wherein an open porosity in the part is produced of at least 30% by
3 volume, ~~in particular 50% by volume~~.

1 13. (new) The method according to claim 1 wherein an
2 open porosity in the part is produced of about 50% by volume.